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(74) Agent: LEE, Bong-jin; 1610, Hyundai Venturitel, 642-1,  
Yeoksam 1-dong, Gangnam-gu, Seoul 135-910 (KR).

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(71) Applicant (for all designated States except US):  
WOONGJINCOWAY CO, LTD, . [KR/KR]; 658,  
Yugu-ri, Yugu-up, Kongju 314-895 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): YOO, Je-kang  
[KR/KR]; 8-309, Shindonga Apt., 44 Myungil  
2-dong, Kangdong-gu, Seoul 134-072 (KR). LEE,  
Sun-yong [KR/KR]; 10-205, Taereung Hyundai Apt.,  
Gongreung 2-dong, Nowon-gu, Seoul 139-780 (KR).  
KIM, Youn-kook [KR/KR]; 149-5, Joonggok-dong,  
Kwangjin-gu, Seoul 143-220 (KR).

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(54) Title: PREPARATION METHOD OF POLYAMIDE THIN FILM COMPOSITE REVERSE OSMOSIS MEMBRANE AND  
POLYAMIDE THIN FILM COMPOSITE REVERSE OSMOSIS MEMBRANE PREPARED THEREFROM

(57) Abstract: A preparation method of a polyamide thin film composite reverse osmosis membrane and a polyamide thin film  
composite reverse osmosis membrane prepared using the preparation method are provided. The preparation method of a polyamide  
thin film composite reverse osmosis membrane using interfacial polymerization of an amine aqueous solution and amine-reactive  
compound includes the steps of (a) forming an active layer through interfacial polymerization by contacting a surface of a porous  
support with an amine aqueous solution containing a polyfunctional aromatic amine monomer and an organic solution containing  
poly-functional acyl halide monomer as an amine-reactive compound, and (b) performing post-treatment preceded by the forming of  
the active layer by contacting the active layer with an aqueous solution containing 0.1 to 100 wt% of polyfunctional tertiary alcohol  
amine. The polyamide thin film composite reverse osmosis membrane prepared by using the polyfunctional tertiary alcohol amine  
as a post-treatment compound has improved water permeability and salt rejection compared to a case of using various post-treatment  
agents or methods.

WO 2007/035019 A1